

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. of: Michael Hollerman et al.

Appln. No.: 09/912,709

Filed: July 25, 2001

For: System And Method For Displaying
Option Market Information

Attorney Docket No: 11927/121

Examiner: Daniel Kesack

Art Unit: 3691

**SUPPLEMENTAL AFFIDAVIT IN SUPPORT OF
DECLARATION UNDER 37 C.F.R. § 1.131**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

1. We, Michael Hollerman, Joseph Hernandez, J. Brad Peek, Rajesh Aery, Hua Chen, Susan DiMagno, do declare and state:
2. We are the inventors of claims 1-178 of the above-identified application.
3. In order to supplement the showing of diligence provided in our original Declaration Under 37 C.F.R. §1.131 filed in the above-identified application on May 11, 2007, we are submitting this Supplemental Affidavit attaching further evidence of diligence for the period from September 13, 2000 to October 30, 2000.
4. We worked on the subject matter of the above-identified application continuously from September 13, 2000 until October 30, 2000, as evidenced by the attached email correspondence for the following dates in 2000: September 13-15, 18, 20-22 and 25-29. October 2, 4-6, 9-13, 16-20, 23-27 and 30-31.

5. Each piece of the attached email correspondence includes at least one of the named inventors of the above-identified application and indicates that work was being done relating to the subject matter of the above-identified application.

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18, Section 1001 of the United States Code and that such willful false statements may jeopardize the validity of any United States Letters Patent resulting from the above captioned United States patent application.

Date: 12-5-07


Michael Hollerman

Date: _____

Joseph Hernandez

Date: _____

J. Brad Peek

Date: _____

Rajesh Aery

Date: _____

Hua Chen

Date: _____

Susan DiMagno

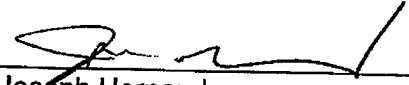
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Date: _____

Michael Hollerman

Date: 12/07/07



Joseph Hernandez

Date: _____

J. Brad Peek

Date: _____

Rajesh Aery

Date: _____

Hua Chen

Date: _____

Susan DiMagno

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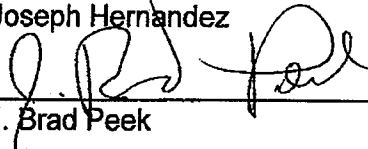
Date: _____

Michael Hollerman

Date: _____

Joseph Hernandez

Date: 12.5.07



J. Brad Peek

Date: _____

Rajesh Aery

Date: 12-05-2007



Hua Chen

Date: _____

Susan DiMagno

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Date: _____

Michael Hollerman

Date: _____

Joseph Hernandez

Date: _____

J. Brad Peek

Date: Dec 5th / 2007



Rajesh Aery

Date: _____

Hua Chen

Date: _____

Susan DiMagno

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Date: _____

Michael Hollerman

Date: _____

Joseph Hernandez

Date: _____

J. Brad Peek

Date: _____

Rajesh Aary

Date: _____

Hua Chen

Date: 12/11/2007



Susan DiMagno

From: Peek, Brad
Sent: Wednesday, September 13, 2000 9:24 AM
To: Strege, John
Subject: RE: pds32 is built

Thanks John! I don't see Mike's email in my folder (hopefully, I didn't delete the @^%%^ thing!).

Brad

-----Original Message-----

From: Strege, John
Sent: Wednesday, September 13, 2000 9:20 AM
To: Peek, Brad
Subject: RE: pds32 is built

Brad -

Mike already sent an email out yesterday to that effect (I think you were copied). Bob/Sandy just need to request appropriate CAM restores. Note: at this point, the boxes are still called pds88a/b.
John

-----Original Message-----

From: Peek, Brad
Sent: Wednesday, September 13, 2000 7:59 AM
To: Strege, John
Subject: FW: pds32 is built

John,

I'm assuming that you are already aware. But, Mark's indicated that the new h80 is available for configuration.

Thanks!

Brad

-----Original Message-----

From: Kuehner, Mark
Sent: Wednesday, September 13, 2000 7:58 AM
To: Peek, Brad
Subject: RE: pds32 is built

yes

-----Original Message-----

From: Peek, Brad
Sent: Wednesday, September 13, 2000 7:49 AM
To: Kuehner, Mark
Subject: RE: pds32 is built

Thanks Mark,

Does that mean that the new h80 is ready for DOSS to configure?

Brad

-----Original Message-----

From: Kuehner, Mark
Sent: Wednesday, September 13, 2000 7:45 AM
To: Peek, Brad
Cc: Spina, Mike; Strege, John; Kenny, Tom
Subject: pds32 is built

This is from our turnover:

IBM tech remove the fddi card in new h80 and installed ethernet cards also he installed ssa cards and cable the new cards in the new h80 in umdc.

Tom -

Please get with Mike for the network connectivity

From: Peek, Brad
Sent: Friday, September 15, 2000 8:06 AM
To: Deweese, John
Subject: RE: Status update and agenda for the Friday Pulse Status meeting

Yup,

I ended up sending out an updated meeting request..... after the Labor Day launch started looking silly. How goes the N Class arrivals?

-----Original Message-----

From: Deweese, John
Sent: Friday, September 15, 2000 7:53 AM
To: Peek, Brad
Subject: RE: Status update and agenda for the Friday Pulse Status meeting

Brad,

Is the meeting this morning its not on my calendar?

Pete

-----Original Message-----

From: Peek, Brad
Sent: Friday, September 15, 2000 7:48 AM
To: Strege, John; Paradiso, Dennis; Smith, Jeff; Caldwell, Jeff; Kuehner, Mark; Aery, Raj; Chen, Hua; Peterson, Bob; Deweese, John; Monjarro, Al; Rittner, John; Elliott, Sandy; Gerdes, Linda; Danaher, Matt; Hernandez, Joe
Cc: Piwnicki, Bobbie; Schumacher, Curt; Roy, Gautam
Subject: Status update and agenda for the Friday Pulse Status meeting

Included below is the spreadsheet of tasks related to the Pulse Project. Note that:

- all completed tasks are preceded with a Black Box
- in-progress tasks with a gray box
- tasks that are no longer relevant to the project are preceded with an X.

<< File: Outstanding Tasks.xls >>

Below I've listed the individuals involved with the tasks and those tasks planned for review at the Friday Pulse status meeting. Please review the items for status and completeness. Please forward me any questions or corrections.

Thanks,

Brad

Jeff Smith

#43 Status

Mark Kuehner

#60 Is this done as far as you're concerned?

Jeff Caldwell

#47 Status for this week-end

#89 What is involved?

John Strege

#60 Is this done as far as you're concerned?

#110 -

#118 Status

Dennis Paradiso

#88 What is actually involved?

Should this be done just prior to the Pulse roll-out?

Bob Peterson

#16 Is there any remaining setup to be performed on the PDS32 cluster

What testing has to be performed on the cluster before they are allowed into production?

J. Brad Peek

office: 312.786.7237

pager: 312.839.1232

email: peekb@cboe.com

From: Spina, Mike
Sent: Thursday, September 14, 2000 10:09 AM
To: Peek, Brad
Subject: RE: PDS32

Example:

I can telnet as root to pds88a (HA is OK)
I can su - rcn (NIS is OK but homedir is not found)
pds88a / # su - rcn
3004-614 Unable to change directory to "/rcn/home".
You are in "/" instead.

All requisite filesystems (/rcn /rcn-nfs and /home) are mounted

```
df -k | egrep "home|rcn"
/dev/rcnLv      1228800 1096068 11%    332 1% /rcn
dev/RcnNfsLv    606208  587132  4%     17 1% /rcn-nfs
/dev/HomeNfsLv  49152   47572  4%     17 1% /home
```

Rcn's homedir is within it's application directories.

These need to be restored via CAM as outlined in a the previous email.

Who requests the restore from OPS and from what server is between you, QA and Server Group

```
cd /rcn
ls-la
lrwxrwxrwx 1 root rcn      13 Jul 12 16:31 home -> /rcn-nfs/home
lrwxrwxrwx 1 root rcn      15 Jul 12 16:31 rcnops -> /rcn-nfs/rcnops
lrwxrwxrwx 1 rcnops rcn     9 Jul 12 16:31 run -> /rcn/v2.6
rwxrwxrwx 1 root rcn      13 Jul 12 16:31 user -> /rcn-nfs/user
drwxrwsr-x 10 pvcs rcn     512 Jul 12 16:32 v2.6
```

-----Original Message-----

From: Peek, Brad
Sent: Thursday, September 14, 2000 7:33 AM
To: Spina, Mike
Subject: RE: PDS32

I guess my question relates to running the PDS application. I can telnet to the box and login, but when I attempt to set up the rcn telnet env (by entering "rcn") I get not found. I'm assuming that there is a little more tweaking that Bob's group or someone needs to complete.

Thanks!

Brad

-----Original Message-----

From: Spina, Mike
Sent: Wednesday, September 13, 2000 5:10 PM
To: Peek, Brad
Subject: RE: PDS32

Existing rcn/oracle filesystems are present. If you need a new filesystems please give me some background. To populate the existing filesystems send a email to CAM requesting a restore from an existing pds that your comfortable with. Any new filesystems you have to populate. Filesystems have standard unix ownership issues if you know in advance outline them and I'll make changes, else ownership can be easily done after the fact. Let me know.

-----Original Message-----

From: Peek, Brad
[Spina, Mike] **Sent:** Wednesday, September 13, 2000 2:05 PM
To: Spina, Mike
Subject: RE: PDS32

Mike,

Who should I talk to about getting the PDS file structure and files onto 88a?

Thanks,

Brad

-----Original Message-----

From: Spina, Mike
Sent: Wednesday, September 13, 2000 2:02 PM
To: Peek, Brad
Subject: RE: PDS32

While in development they will be pds88a and pds88b.
All hardware is now on both sides and HA has been started.
Both servers are reachable via their service ipaddress 170.137.234.80 and 234.81 respectively.
Barney's waiting on your instructions for the CAM restores.
Let me know.

-----Original Message-----

From: Peek, Brad
Sent: Wednesday, September 13, 2000 11:03 AM
To: Spina, Mike
Subject: PDS32

Mike,

Could you get me off an email when 32a/b are available to us?

Thanks!

Brad

J. Brad Peek

office: 312.786.7237
pager: 312.839.1232
email: peekb@cboe.com

From: Caldwell, Jeff
Sent: Tuesday, September 19, 2000 8:40 AM
To: Peek, Brad
Cc: Hernandez, Joe
Subject: RE: Pulse EMC Ports

Brad,

The PDS restore was completed on Friday.

The Hitachi definitions will be ready this week. Unlike the EMC box, the configuration on the Hitachi box can be changed non-disruptively online so we can schedule it anytime we want. I would like to do the Hitachi configuraton next Thursday (09/28) or Friday (09/29) after I return from vacation.

Jeff

-----Original Message-----

From: Peek, Brad
Sent: Tuesday, September 19, 2000 7:27 AM
To: Caldwell, Jeff
Cc: Hernandez, Joe
Subject: RE: Pulse EMC Ports

Thanks Jeff,

Is there an ETA for defining the 8500s? Also, has Barney been able to put the current PDS version on PDS32A/B?

Thanks,

Brad

-----Original Message-----

From: Caldwell, Jeff
Sent: Monday, September 18, 2000 4:07 PM
To: Hernandez, Joe; Peek, Brad
Subject: RE: Pulse EMC Ports

Yes and No.

The four ports for the N4000's and one 8500 was successfully installed. The other 8500 and the admin boxes will have to be defined on the Hitachi box which will not be difficult.

Jeff

-----Original Message-----

From: Hernandez, Joe
Sent: Monday, September 18, 2000 3:33 PM
To: Caldwell, Jeff
Subject: Pulse EMC Ports

Jeff,

Did the ports get defined for Pulse over the weekend?

Thanks,
Joe

Joseph Hernandez
Chicago Board Options Exchange
hernandj@cboe.com
312.786.7259

From: Caldwell, Jeff
Sent: Monday, September 18, 2000 4:07 PM
To: Hernandez, Joe; Peek, Brad
Subject: RE: Pulse EMC Ports

Yes and No.

The four ports for the N4000's and one 8500 was successfully installed. The other 8500 and the admin boxes will have to be defined on the Hitachi box which will not be difficult.

Jeff

-----Original Message-----

From: Hernandez, Joe
Sent: Monday, September 18, 2000 3:33 PM
To: Caldwell, Jeff
Subject: Pulse EMC Ports

Jeff,

Did the ports get defined for Pulse over the weekend?

Thanks,
Joe

Joseph Hernandez
Chicago Board Options Exchange
hernandj@cboe.com
312.786.7259

From: Peterson, Bob
Sent: Thursday, September 21, 2000 7:24 AM
To: Peek, Brad
Subject: RE: PDS88A/B

Not a problem. I will look at things as the DOSS group fixes them.

Bob

-----Original Message-----

From: Peek, Brad
Sent: Thursday, September 21, 2000 7:23 AM
To: Peterson, Bob
Subject: RE: PDS88A/B

.... thanks for taking a look. I know you guys are busy w/ that critical.

-----Original Message-----

From: Peterson, Bob
Sent: Thursday, September 21, 2000 7:21 AM
To: Strege, John
Cc: Hernandez, Joe; Peek, Brad; Piwnicki, Bobbie; Athanas, Nick
Subject: RE: PDS88A/B

As it stands right now:

pds88b: the /rcn-nfs directory does not appear to be mounted on the B side.

pds88a: I cannot ping localbcast237 so I am not able to get the host gateway connections.

Bob

-----Original Message-----

From: Peek, Brad
Sent: Wednesday, September 20, 2000 4:02 PM
To: Peterson, Bob
Cc: Hernandez, Joe
Subject: PDS88A/B

Bob,

I know you're busy but.... when would you or Nick have time to check the environment on PDS88A and B (soon to be the PDS32 cluster)?

I can telnet to A and start the rcn env, but nothing is running. On B the env doesn't appear to be set up.

Thanks!

Brad

J. Brad Peek

office: 312.786.7237
pager: 312.839.1232
email: peekb@cboe.com

From: Deweese, John
Sent: Friday, September 22, 2000 7:48 AM
To: Strege, John; Peek, Brad
Subject: RE: PDS88A/B

Take a look at them now.

Pete

-----Original Message-----

From: Strege, John
Sent: Thursday, September 21, 2000 6:18 PM
To: Deweese, John
Subject: FW: PDS88A/B

Pete -

Please check this - I believe the rcn-nfs should be mounted from the 'a' box. I've asked hardware to check the global backbone connections.

John

-----Original Message-----

From: Peterson, Bob
Sent: Thursday, September 21, 2000 7:21 AM
To: Strege, John
Cc: Hernandez, Joe; Peek, Brad; Piwnicki, Bobbie; Athanas, Nick
Subject: RE: PDS88A/B

As it stands right now:

pds88b: the /rcn-nfs directory does not appear to be mounted on the B side.

pds88a: I cannot ping localbcast237 so I am not able to get the host gateway connections.

Bob

-----Original Message-----

From: Peek, Brad
Sent: Wednesday, September 20, 2000 4:02 PM
To: Peterson, Bob
Cc: Hernandez, Joe
Subject: PDS88A/B

Bob,

I know you're busy but.... when would you or Nick have time to check the environment on PDS88A and B (soon to be the PDS32 cluster)?

I can telnet to A and start the rcn env, but nothing is running. On B the env doesn't appear to be set up.

Thanks!

Brad

J. Brad Peek

office: 312.786.7237
pager: 312.839.1232
email: peekb@cboe.com

From: Peterson, Bob
Sent: Monday, September 25, 2000 3:17 PM
To: Peek, Brad; Strege, John
Cc: Hernandez, Joe
Subject: RE: PDS88a/b cluster

As far as I know, I am still waiting to get the few network issues straightened from last week.

-----Original Message-----

From: Peek, Brad
Sent: Monday, September 25, 2000 3:13 PM
To: Strege, John; Peterson, Bob
Cc: Hernandez, Joe
Subject: PDS88a/b cluster

Raj and Hua stopped by to indicate that PDS88A and B are still unavailable. Could you take a look at them when you've got time and get back to one of us?

Thanks!

Brad

J. Brad Peek
office: 312.786.7237
pager: 312.839.1232
email: peekb@cboe.com

From: Peek, Brad
Sent: Tuesday, September 26, 2000 11:21 AM
To: Piwnicki, Bobbie
Cc: Hernandez, Joe
Subject: RE: Pulse Update

-----Original Message-----

From: Piwnicki, Bobbie
Sent: Tuesday, September 26, 2000 10:49 AM
To: Hernandez, Joe; Peek, Brad; Aery, Raj; Chen, Hua
Subject: Pulse Update

This is the update I sent to Gerry late Wednesday, September 20th. Please respond with the change in status and any other issues you would like me to raise ASAP. I will be using your feedback for Gerry's staff meeting at 1PM today.

- Pulse Update - We have been perf testing the appl in the test lab on the PDS H50s and our test NT 8500 Pulse servers. The PDS H80s for production were turned over to us this past Friday (9/15) with QA built directories.
- **[Peek, Brad]** Sandy indicated that the PDS 3.0 build is on PDS88 A and B. Bob Peterson indicated on Friday that the H80s are not a point where he can complete his PDS configuration changes. I'm waiting to hear back from John Strege on what still needs to be completed.
- BobP's group needs to make config changes and test them to get them into production. He has been busy this week on the critical so he will focus on that next week. Since the production 700 megahertz 8500 NT Pulse servers won't arrive til next week **[Peek, Brad]** (Friday, Oct 6th), the delay with Bob is really not an issue. Chen and Raj have been moving forward with performance testing on the test H50s and test 8500s and have uncovered some timing things which they have fixed. We believe we will have all the equipment in production sometime during the first week of October. **[Peek, Brad]** With the arrival expected on Friday, I would hope the NT 8500s would be available for us to configure by Wednesday, Oct 11th. DennisP needs only 1 evening to turn our Oracle stuff into production and I believe Strege needs only a couple of hours for network changes. So if we get the stuff workable in production by the first week of October as planned, we would like to do functional and performance testing for at least 2 weeks. Therefore our date is mid-Oct.

Bobbie Piwnicki
Chicago Board Options Exchange
312/786-7608
piwnicki@cboe.com

From: Elliott, Sandy
Sent: Tuesday, September 26, 2000 1:26 PM
To: Italiano, Ben; Monjarro, Al
Cc: Hernandez, Joe; Peek, Brad; QA-Quality Assurance
Subject: PULSE TASKS

Importance: High

These are the tasks that remain for Q/A. Item 1 will be completed by Friday. Item 2 needs a short meeting. Item 3 can be done as soon as we receive project information from Pulse development. Let me know if I missed anything.

1. Verify pds88a and pds88b have the recent criticals of rcn code. (Ben Italiano)
2. Request a qaadmin login to InterPulse1 and 2 and determine the load process for this production NT environment. (Q/A and EUC)
3. Create the PULSE Project in Clear Case. Check in the files for the developers. (Q/A Clear Case)

Thanks.

From: Peek, Brad
Sent: Wednesday, September 27, 2000 1:03 PM
To: Strege, John
Subject: FW: PDS88 A and B status

Thought that you should be included on the cc:

-----Original Message-----

From: Peterson, Bob
Sent: Wednesday, September 27, 2000 12:58 PM
To: Peek, Brad; Spina, Mike
Cc: Aery, Raj; Chen, Hua; Hernandez, Joe; Pivnicki, Bobbie
Subject: RE: PDS88 A and B status

There still seems to be an issue as to how bcastpost0 is defined. I am having trouble opening a port on what I believe is bcastpost0. The definition of bcastpost0 is set up differently on pds88a than it is on pds15a/b as shown through 'nslookup bcastpost0' on each box. I think that may be the cause but am not 100% sure. So, the first thing I need is for that to get straightened out so I can move on.

Bob

-----Original Message-----

From: Peek, Brad
Sent: Wednesday, September 27, 2000 10:38 AM
To: Peterson, Bob
Cc: Aery, Raj; Chen, Hua; Hernandez, Joe
Subject: PDS88 A and B status

Bob,

Mike Spina indicated that the PDS88 cluster is ready for your configuration changes. If you could keep us informed regarding your progress, it would be appreciated.

Brad

J. Brad Peek

office: 312.786.7237
pager: 312.839.1232
email: peekb@cboe.com

From: Aery, Raj
Sent: Wednesday, October 11, 2000 10:11 AM
To: Elliott, Sandy
Cc: QA-Quality Assurance; Hernandez, Joe; Chen, Hua; Peek, Brad
Subject: RE: Pulse pds

We do not require the ptsServer to be running on these servers. PDS88a/b are in the process of being moved over to production, you would have to check with operations to see when you could install the latest code.

-----Original Message-----

From: Elliott, Sandy
Sent: Wednesday, October 11, 2000 9:59 AM
To: Aery, Raj; Hernandez, Joe; Chen, Hua
Cc: QA-Quality Assurance
Subject: FW: Pulse pds
Importance: High

These two boxes were up to date as of 9/29/00. We are in the process of rolling out another critical for rcn code. I checked pds88a and pds88b boxes and the filesizes for the rcnServer, pdsServer, pdsShredder code are the same as those we built on 10/6 and are in the process of installing. ptsServer, however, is not. When do you want us to load the new file?

-----Original Message-----

From: Italiano, Ben
Sent: Friday, September 29, 2000 2:30 PM
To: Elliott, Sandy
Subject: FW: Pulse pds
Importance: High

Sandy— You asked me to complete by Fri...

1. Verify pds88a and pds88b have the recent criticals of rcn code.

Findings> everything was the same.

rcnServer	846362
pdsServer	846362
ptsServer	1151476
enbServer	318529
pdsShredder	1819480 (this is the new shredder thats ONLY on Post 30/31)

-----Original Message-----

From: Elliott, Sandy
Sent: Friday, September 01, 2000 9:14 AM
To: Peterson, Bob; Strege, John
Cc: CAM; Peek, Brad; Hernandez, Joe; QA-Quality Assurance; Caldwell, Jeff
Subject: FW: Pulse pds
Importance: High

Bob and John,

Don't know if you responded to this request. However, it looks to me like the rcn v3.0 code has not been restored to pds88b. Please follow up so that this can be accomplished. Thanks.

-----Original Message-----

From: Grybauskas, Barney
Sent: Monday, August 28, 2000 1:12 PM
To: Peterson, Bob; CAM
Cc: Strege, John; Elliott, Sandy

Subject: RE: Pulse pds

All, I can restore from pds30a/b to pds88a/b. Let me know from what date you need a restore from, please send the ip's of pds88a and pds88b and a list of volumes you need restored.

-----Original Message-----

From: Peterson, Bob
Sent: Monday, August 28, 2000 10:45 AM
To: CAM
Cc: Strege, John; Elliott, Sandy
Subject: FW: Pulse pds

pds30a/b would be the servers to do a restore from.

Thanks.

-----Original Message-----

From: Strege, John
Sent: Friday, August 25, 2000 3:56 PM
To: Peterson, Bob
Cc: Peek, Brad; Elliott, Sandy
Subject: Pulse pds

Bob -

The H80 platform will not allow us to clone from a production H50 image. Sandy mentioned that there are currently two RCN versions in production; can you please send the request to CAM to restore from the appropriate prod server onto pds88a/b for the Pulse project.

Thanks.

John

From: Peek, Brad
Sent: Thursday, September 28, 2000 11:31 AM
To: Peterson, Bob
Cc: Hernandez, Joe; Aery, Raj; Chen, Hua
Subject: RE: if a PDS server is howling in the woods.....

John, any ideas on this.... we'd really really like to get these servers on line!!!

-----Original Message-----

From: Peterson, Bob
Sent: Thursday, September 28, 2000 11:11 AM
To: Peek, Brad
Cc: Hernandez, Joe; Aery, Raj; Chen, Hua; Piwnicki, Bobbie; Strege, John
Subject: RE: if a PDS server is howling in the woods.....

Yes, the pds server is 'howling', but the shredder is not. The first step to getting the shredder working is to have the bcastpost0 issues straightened out by the DOSS group. I check the system a couple of times a day to see if there has been any change. I want you to know that it is not being ignored and that I am waiting for the OS change.

Bob

-----Original Message-----

From: Peek, Brad
Sent: Thursday, September 28, 2000 9:02 AM
To: Peterson, Bob
Cc: Hernandez, Joe; Aery, Raj; Chen, Hua
Subject: if a PDS server is howling in the woods.....

alone, can anyone connect to it...

Actually, Raj and Hua indicated that PDS88A has been "howling..." for the last couple of days, but they have been unable to connect to it. They are able to connect to the other PDS test servers, however.

Also, the PDS "environment" appears to be set up on 88B but nothing is running.

Thanks,

Brad

J. Brad Peek

office: 312.786.7237
pager: 312.839.1232
email: peekb@cboe.com

From: Strege, John
Sent: Monday, October 02, 2000 12:52 PM
To: Peterson, Bob
Cc: Hernandez, Joe; Peek, Brad
Subject: RE: completion of PDS88 configuration

Bob -

Just to confirm, I'll check in with you first thing tomorrow to collect more stats on the bcast/connectivity issue.
John

-----Original Message-----

From: Peterson, Bob
Sent: Monday, October 02, 2000 10:02 AM
To: Peek, Brad; Strege, John
Cc: Hernandez, Joe
Subject: RE: completion of PDS88 configuration

I see no difference from yesterday. John, have you made any change or have you come up with something?

-----Original Message-----

From: Peek, Brad
Sent: Friday, September 29, 2000 8:00 AM
To: Strege, John
Cc: Hernandez, Joe; Peterson, Bob
Subject: completion of PDS88 configuration

John,

Bob has indicated that the PDS cluster is still not functioning properly. The reconfiguration began roughly 2 weeks ago and is still having problems. Could Mike or someone in your area work with Bob to isolate the remaining problems in a more timely manner.

I don't want this to heat up into an issue that sets us off into a CYA chain!

Thanks, I'd appreciate the help concluding this!!!

Brad

J. Brad Peek

office: 312.786.7237
pager: 312.839.1232
email: peekb@cboe.com

From: Hernandez, Joe
Sent: Thursday, October 05, 2000 8:33 AM
To: Peek, Brad
Subject: FW: Notes from Pulse Implementation Meeting

-----Original Message-----

From: Piwnicki, Bobbie
Sent: Wednesday, October 04, 2000 4:39 PM
To: Hernandez, Joe; Elliott, Sandy; Paradiso, Dennis; Aery, Raj; Etheridge, Tom; Todd, Mike; Land, Terry; Vliet, Matt; Strege, John; Kuehner, Mark; Smith, Jeff
Cc: O'Connell, Gerry; Schumacher, Curt; Roy, Gautam
Subject: Notes from Pulse Implementation Meeting

(Thanks everyone for attending with short notice!)

- JohnS solved the PDS80 problem this afternoon. He turned it over to Bob Peterson to test.
- 10/5 and 10/6: BobP, JoeH, Raj and Hua will test regression test the H80 and NT8500 500MHz test lab configuration with the PDS and TIPS application.
- Weekend powerdown prohibits any weekend migration.
- Ops asked us to stay away from Monday night since they usually have lots to deal with following powerdown weekend.
- 10/10 - 10/13:
 - MarkK - Rolling the H80 hardware onto production networks
 - TomE - 3 day PDS implementation schedule
 - DennisP - evening's worth of Oracle work
 - JohnS - evening's worth of network config work
 - JeffS - Rolling NT8500 into production
- Friday, 10/13: CBOE staff tests application via Internet access.
- Week of 10/16: Possible rollout to pilot group

Note: If the vendor does not have the NT8500 700MHz machines delivered by end of business on 10/11, the test boxes will be moved into production.

Another meeting will be scheduled for Tuesday morning to review tasks dated 10/10 - 10/13.

Bobbie Piwnicki
Chicago Board Options Exchange
312/786-7608
piwnicki@cboe.com

From: Aery, Raj
Sent: Wednesday, October 04, 2000 4:54 PM
To: Chen, Hua; Peek, Brad
Subject: FW: Notes from Pulse Implementation Meeting

FYI

-----Original Message-----

From: Piwnicki, Bobbie
Sent: Wednesday, October 04, 2000 4:39 PM
To: Hernandez, Joe; Elliott, Sandy; Paradiso, Dennis; Aery, Raj; Etheridge, Tom; Todd, Mike; Land, Terry; Vliet, Matt; Strega, John; Kuehner, Mark; Smith, Jeff
Cc: O'Connell, Gerry; Schumacher, Curt; Roy, Gautam
Subject: Notes from Pulse Implementation Meeting

(Thanks everyone for attending with short notice!)

- JohnS solved the PDS80 problem this afternoon. He turned it over to Bob Peterson to test.
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Another meeting will be scheduled for Tuesday morning to review tasks dated 10/10 - 10/13.

Bobbie Piwnicki
Chicago Board Options Exchange
312/786-7608
piwnicki@cboe.com

From: Hernandez, Joe
Sent: Friday, October 06, 2000 1:06 PM
To: Aery, Raj; Chen, Hua; Peek, Brad; Zheng, Eugene
Subject: FW: Reminder

FYI:

-----Original Message-----

From: Athanas, Nick
Sent: Friday, October 06, 2000 1:03 PM
To: Peterson, Bob
Cc: Piwnicki, Bobbie; Hernandez, Joe
Subject: Reminder

Bob,

As soon as we roll out our performance critical, we will have to roll out a critical that addresses a bug with the PDS (not RCN) server that deals with MSG_SERIES_TAGS and MSG_SERIES_PEEKs with fractional strike prices. (ie ANC CO OCT 77 1/2 C). According to Bobbie, Pulse is rolling out in 2 weeks and this bug appears to be a show stopper for them. I asked Bobbie whether this should be added to the perf. critical and her answer is no.

I verified that this bug occurs both with the current PDS production and new PDS critical software.

Also, somehow, I thought I looked into this problem in the past, possibly fixed it, but my memory is fuzzy here.

Nick

From: Lim, Ying
Sent: Monday, October 23, 2000 12:25 PM
To: Aery, Raj
Cc: Lim, Ying; Jiang, Xingling; Elliott, Sandy; Hernandez, Joe; Chen, Hua; Peek, Brad
Subject: RE: imported Pulse code into ClearCase

Raj,

I have just finished compiling the two jars using ClearCase's clearmake after modifying your build batch files.

The file size of these two new jars, which are compiled using clearmake (compatible with gnu make), is much larger than the one that is built using your batch file.

I am now forwarding a copy of these jars to you and hope that you can bring them up from the test server to see if they will function correctly. Please let us know the outcome so that we can determine if these can serve as the final QA deployment jars.

Let me know if you have any questions. Thank you for your attention.

Ying



Pulse.jar



PulseServer.jar

-----Original Message-----

From: Lim, Ying
Sent: Monday, October 23, 2000 8:36 AM
To: Jiang, Xingling; Elliott, Sandy
Cc: Aery, Raj; Chen, Hua
Subject: RE: imported Pulse code into ClearCase

Just want to let you know that I have started working on the PulseServer makefile. Will let you know about the outcome. Thanks.

Ying

-----Original Message-----

From: Jiang, Xingling
Sent: Friday, October 20, 2000 3:52 PM
To: Elliott, Sandy
Cc: Lim, Ying; Aery, Raj; Chen, Hua
Subject: imported Pulse code into ClearCase

Sandy:

We already imported the LATEST Pulse source code into ClearCase vob /vobs/cboe/pulse. Also the testing build in ClearCase side ran successfully.

Next week Ying and I will work to create Makefiles in Pulse to build with clearmake. Currently we build with the makejar.bat files.

Please let either Ying or me know if there is any question. Thanks.

Xingling

From: Hernandez, Joe
Sent: Monday, October 09, 2000 1:24 PM
To: TESTREQ
Cc: Aery, Raj; Chen, Hua; Peek, Brad; Zheng, Eugene
Subject: Pulse 3 day PDS implementation

Schedule PDS88A/B 3-day test at the Tuesday 11:00.

From: Peek, Brad
Sent: Tuesday, October 10, 2000 1:05 PM
To: Reed, Jeff
Cc: Hernandez, Joe
Subject: rescheduling the Pulse schema overview

Jeff,

We're chasing around to get all of the Pulse project ready for production. Would you mind if we rescheduled the schema meeting for next week?

Thanks,

Brad

J. Brad Peek

office: 312.786.7237
pager: 312.839.1232
email: peekb@cboe.com

From: Peek, Brad
Sent: Friday, October 27, 2000 7:37 AM
To: Piwnicki, Bobbie; Hernandez, Joe
Cc: Chen, Hua; Aery, Raj
Subject: Pulse implementation status

Bobbie and Joe,

Tom, left me a message yesterday evening regarding the Pulse implementation. He indicated that tonight is "day 3" of the "lights up" and that no they do not leave the application up normally. I'm assuming that was a response to my request for a download this evening to complete our assurance testing.

He did bring up a secondary issue that we'll have to resolve. Kurt told Tom that there were operator training issues that needed to be resolved, i.e.: training hasn't occurred yet. Raj had been working on a schedule with Steve Blaho for training, which has proved more difficult than we expected due to the 3 shifts. Steve emailed out this schedule before going on vacation until Monday. So, we're unable to contact him to accelerate the schedule. Mike Todd indicated that training issues go through Steve.

I'm going downstairs now to talk to Tom to see if something can be done about the training.

Thanks!

Brad

-----Original Message-----

From: Blaho, Steve
Sent: Wednesday, October 25, 2000 11:17 AM
To: Peek, Brad
Subject: RE: Pulse Monitor Training

Actually it would have to start next week sometime. I will need a few days lead time to let the off shifts know that they will need to come in early / stay late on the designated days. Also I will be out the balance of the week. (There's always one in the crowd) Can we shoot for:

Day 1: Tuesday 10/31/00

10:00 AM

2:00 PM - 14:00 is ok with the day operators.

and

Day 2: Thursday 11/02/00

7:15 AM

2:15 PM - It has to be 2:15 since the operators cannot enter the parking garage prior to 14:00

Please let me know today if this is acceptable. If you cannot let me know today, please let Mike Todd know as I will be off the next 2 days and mike will need to give a heads up to 2nd and 3rd shift.

Thanx.....

Stephen J. Blaho Jr.
blaho@cboe.com
(312) 786-7568

-----Original Message-----

From: Peek, Brad
Sent: Wednesday, October 25, 2000 11:03 AM
To: Blaho, Steve
Subject: FW: Pulse Monitor Training

Steve,

How do these times work for you, starting tomorrow as day 1?

-----Original Message-----

From: Chen, Hua
Sent: Wednesday, October 25, 2000 10:00 AM
To: Peek, Brad
Cc: Aery, Raj; Hernandez, Joe
Subject: Pulse Monitor Training

Brad,

The plan for operation training on Pulse Monitor applet is:

Day 1:

10:00 AM

2:15 PM

Day 2:

7:15 AM

2:00 PM

Would you please work out a schedule with operation group?

Thanks,

Hua

From: Peek, Brad
Sent: Thursday, October 12, 2000 11:12 AM
To: Smith, Jeff
Subject: RE: Interpulse1 and 2

I am most humbly corrected.....

-----Original Message-----

From: Smith, Jeff
Sent: Thursday, October 12, 2000 11:11 AM
To: Peek, Brad; Caldwell, Jeff
Cc: Aery, Raj; Chen, Hua
Subject: RE: Interpulse1 and 2

Did we not pay attention to this mornings e-mail? I will highlight the section in question.

The 2 HP 8500-700 and the monitor servers were installed yesterday in the cabinet located in the UMD. **EMC and Hitachi disk connections will be made this morning.** Network connectivity to DMZ will be handled by Hardware services upon request

-----Original Message-----

From: Peek, Brad
Sent: Thursday, October 12, 2000 10:48 AM
To: Caldwell, Jeff; Smith, Jeff
Cc: Aery, Raj; Chen, Hua
Subject: Interpulse1 and 2

Jeff and Jeff,

Raj and Hua were downstairs and noticed that there was one SCSI cable behind the two servers. Do we know if both cables are there and if they're installed?

Thanks!

Brad

J. Brad Peek
office: 312.786.7237
pager: 312.839.1232
email: peekb@cboe.com

From: Hernandez, Joe
Sent: Thursday, October 12, 2000 10:04 AM
To: Peek, Brad
Subject: RE: PDS88

Brad,

Contact Tom and see how his test is going.

Joe

-----Original Message-----

From: Peek, Brad
Sent: Thursday, October 12, 2000 9:49 AM
To: Hernandez, Joe
Subject: FW: PDS88

Joe,

How should be deal w/ expiration and the PDS roll-out? I'm assuming that the roll-out is a go, but who should be push this through?

-----Original Message-----

From: Kuehner, Mark
Sent: Thursday, October 12, 2000 9:44 AM
To: Peek, Brad
Cc: Viet, Matt; Kenny, Tom; Etheridge, Tom; Todd, Mike; Strega, John; Spina, Mike; Smith, Jeff
Subject: RE: PDS88

pds32 was attached to Internet switches (DMZ4) and global backbones. I was told DOSS configured the IP addresses to talk to these production networks. Etheridge's 3 day schedule can now begin but will but into expiration. Will it continue anyway?

Tom Kenny is requesting at the 11 o'clock today to connect the new HP 8500s (interpulse a & b) to prod DMZ. He said you guys did not need it on the test networks to configure it.

-----Original Message-----

From: Peek, Brad
Sent: Thursday, October 12, 2000 8:38 AM
To: Kuehner, Mark
Subject: PDS88

How'd it go last night and is there a schedule?

J. Brad Peek

office: 312.786.7237
pager: 312.839.1232
email: peekb@cboe.com

From: Hernandez, Joe
Sent: Friday, October 13, 2000 1:15 PM
To: Chen, Hua; Peek, Brad; Aery, Raj; Zheng, Eugene
Subject: FW: PULSE Test/Implementation Plan

Importance: High

Could you please all work together to throw something together by the end of Monday.

Thanks,
Joe

-----Original Message-----

From: Elliott, Sandy
Sent: Friday, October 13, 2000 1:06 PM
To: Peek, Brad; Aery, Raj; Hernandez, Joe
Cc: Piwnicki, Bobbie
Subject: PULSE Test/Implementation Plan
Importance: High

must go to IRB on 10/18 in order to be positioned to load the following week. Please submit your documentation by end of day on Monday. Ginie will do the agenda Tuesday morning. Thanks.

From: Peek, Brad
Sent: Monday, October 16, 2000 10:46 AM
To: Hernandez, Joe; Aery, Raj; Chen, Hua
Subject: FW: Pulse test plan and implementation plan

Importance: High

-----Original Message-----

From: Elliott, Sandy
Sent: Monday, October 16, 2000 10:46 AM
To: DOCUMENT
Cc: Peek, Brad; Hernandez, Joe
Subject: FW: Pulse test plan and implementation plan
Importance: High

Sure, I'm copying Ginnie on this so that she puts you on the agenda. If you can get a copy to me by end of day tomorrow so that I have a chance to review it before the meeting that would be great. Thanks.

Work Request: 2134
Project Name: PULSE - Phase 1
Presented by: Brad Peek
Test/Implementation Plan: To be provided at the meeting.

-----Original Message-----

From: Peek, Brad
Sent: Monday, October 16, 2000 10:25 AM
To: Elliott, Sandy
Subject: Pulse test plan and implementation plan

Sandy,

We're still compiling the test plan. Would it be possible for us to walk this in on Wednesday?

Thanks,

Brad

From: Frazier-Runquist, Ginnie
Sent: Tuesday, October 17, 2000 8:37 AM
To: IRB Mailing List; Neher, Mike; Anderson, Diane; Peek, Brad
Subject: IRB AGENDA FOR 10/18/00

The following is the Agenda for the IRB Meeting which will be held on **10/18/00** in *lower level conference room, at 9:30 am*. IRB Project Status Forms have been updated and are located in **o:\document\irb status forms***. * Use the status forms to obtain your referee signatures. Prior to your project implementation, the signed status form must be provided to Operations at the 1:00 pm daily meeting or the 9:30 am Friday meeting.

Schedule your project implementation by using the TESTREQ mailing list. Questions, contact Terry Land, Tom Etheridge, or any member of the Q/A Staff.

REQUIREMENTS SPECIFICATION:

Work Request: 2092
Project Name: AutoQuote Triggered Ebook Execution
Submitted by: Diane Anderson-Taff
O:\document\cboe\2092_RS_REVIEW.doc

IMPLEMENTATION AND TEST PLAN:

Work Request: 1498
Project Name: High Availability Printer System
Submitted by: Mike Neher
O:\document\cboe\1498Failure Recovery Scenarios.doc
1498Failure Recovery Scenarios.vsd
1498gui-manual.doc
1498Implementation.doc
1498Testplan.doc

Work Request: 2134
Project Name: PULSE - Phase 1
Submitted by: Brad Peek
O:\document\cboe\ to be provided at meeting.

Ginnie Runquist :-)

From: Peek, Brad
Sent: Wednesday, October 18, 2000 7:56 AM
To: Montesano, Anthony
Subject: RE: Pulse Phase 1 Implementation Plan

Anthony,

I know that Joe Hernandez would appreciate being included on all Pulse related emails. I went ahead and forwarded him a copy of the implementation email already.

Thanks!

Brad

-----Original Message-----

From: Montesano, Anthony
Sent: Tuesday, October 17, 2000 4:41 PM
To: Piwnicki, Bobbie; Peek, Brad
Cc: Hollerman, Mike; Hawley, Lawrence; Halperin, Barry; Torres-Wiedlin, Monica; Zylius, Carole; Knorrning, Tom; Slocum, Phil
Subject: Pulse Phase 1 Implementation Plan

Bobbie and Brad,

We should get together to discuss a plan for implementing phase 1 of Pulse. I have provided a proposal below that I have discussed with Phil Slocum. I would like to meet with you this week to get your input on this proposal. If, after our meeting, there are no objections, I would like to present the plan to the Equity FPC at their next meeting after this week's.

Proposed Implementation Plan for Pulse Phase 1:

Since the first phase has limited display functionality, and since during phase 1 we primarily want to verify the infrastructure, we would like to use Pulse mainly within this building. This should be sufficient for verifying infra-structure. In addition, we would not be putting anything on the trade desks that we may consider to have limited functionality and value to the institutional traders. Of course, if the floor users think their trade desks would welcome the phase 1 functionality, then we would encourage the outside access.

To get a sufficient number of users to test the "robustness" of the system, we would give access to as many floor users as Systems would allow. This would also provide an additional benefit. Since firms are continually struggling with the TNTs due to performance, Pulse would give them another means of viewing CBOE books and quotes at times when TNTs are unavailable or unreliable. Of course, once phase 2 of Pulse is ready, we would prefer to allocate the limited number of logins to off-floor users instead of to on-floor users. Hopefully, by that time, TNT performance problems will be resolved, and the floor users would have no need for Pulse.

1. Initial access should be given to staff only. Once functionality has been verified, then we would expand to trading floor users. Our staff would be happy to volunteer to review Pulse screens in production to verify the timeliness and accuracy of data.
2. After initial verification by staff, we would like to give access to Merrill Lynch and Smith Barney on the floor.
3. Pending feedback from Systems and the two floor users, we would schedule rollout to the rest of the firms on the floor, limiting the total number of users as defined by Systems.
4. Once phase 2 is ready, we would go through a similar but brief verification period, after which we would give access to a few trade desk users, beginning with Merrill Lynch and Smith Barney.
5. Additional off-floor users would be chosen with input from Business Development and/or Equity FPC and/or Member Firm Committee.

Please review this proposal and set up a meeting this week at your convenience. Invitees from my side should be Michael Hollerman, Larry Hawley and me...

THANKS,
Anthony Montesano 10/17/00

From: Piwnicki, Bobbie
Sent: Thursday, October 19, 2000 1:11 PM
To: Hernandez, Joe; Aery, Raj; Chen, Hua; Peek, Brad
Subject: FW: Where are we at with PULSE?

FYI

-----Original Message-----

From: Piwnicki, Bobbie
Sent: Thursday, October 19, 2000 1:11 PM
To: O'Connell, Gerry
Cc: Schumacher, Curt; Roy, Gautam
Subject: RE: Where are we at with PULSE?

The agenda below was copied from the meeting invitation that occurred 10/04/00 at 2:30 PM. Nearly 12 people attended with the intent to get date commitments for implementation. Blue indicates agreements made at the meeting. Green indicates changes.

Issues to be discussed:

- H80 UDP connectivity - resolution???

- At the start of the day of 10/04, we could not hook up the soon-to-be-production H80s to test with our test NT boxes. (We were using the test lab H50's). By the time of the meeting, John Strege was able to define the problem. By the next morning, the Aside H80 was working. By Noon the next day, the B side H80 was available to test against in the lab environment.

- Tom E - 3 day-timeline for production installation

- We agreed that my staff would do PDS testing on the H80s Thu (10/5) and Fri (10/6). If all went well, the 3-day timeline for TomE would be 10/10, 10/11, 10/12. This would get it into production before expiration.
- My staff's PDS testing was completed by the end of the day 10/9. Day 1 occurred 10/12; Day 2 scheduled for 10/23; Day 3 scheduled for 10/24. Day 4 (TIPS minor to add this PDS to TIPS) was added per Tom's email and is scheduled for 10/25.

- DennisP - evening's work to be done night of installation

- This is Oracle work on the MKTUNIX1 box. Basically, except for fixing some of the rights and privileges, we believe Dennis is done.

- JohnS - evening's work to be done night of installation

- John's work is needed to be done on either day 2 or day 3 (Netview Application control of RCN application on pds/rcn32 servers). Emails have gone back and forth about this, but John is aware and will be ready to do his part on day 3 which is scheduled right now for 10/24.

- Oracle/member login issues

- The agreement was to use the first week of installation for staff to beat on the Pulse NT application and the H80s. When all looks good, we will meet to determine member pilot list.

- NT8500/500 test box migration to production; anyone have any spare NT boxes we can develop/debug on until the 700s arrive?

- It was decided to scratch moving the test boxes and wait on the prod NT boxes due to the H80 schedule. The production 700 Mz boxes were to arrive onsite the next week. Jeff Smith felt we could have them installed by 10/12. The boxes were delivered ahead of Jeff's schedule. He had them installed by 10/11.
- The W2000 OS and the Pulse application (DOSS and QA) needed 3 days after the physical install to do their work. Therefore, we estimated completion sometime during expiration week. This work was completed by Tues 10/17.

- Anything else?

- Joe's staff needs to work with QA to get all source saved into ClearCase. Raj, who has been coordinating those efforts with Sandy's staff, reported this is complete.

The following items were not brought up at the meeting but since have surfaced:

- Raj is coordinating with Steve Blaho training on the Monitor Admin application. This is the Operational management tool built by Grapevine Systems integrated with our Pulse application.
- Sandy Elliott asked on Thu (10/12) that we present our test plans to IRB. Brad attended the meeting yesterday (10/18) and was approved.

Bottom line: Late next week, if all schedules are kept, we will be live! (Curt, Gautam, pls email any additions or corrections to list above.)

-----Original Message-----

From: O'Connell, Gerry
Sent: Thursday, October 19, 2000 10:36 AM
To: Piwnicki, Bobbie
Cc: Schumacher, Curt
Subject: Where are we at with PULSE?

From: Peek, Brad
Sent: Friday, October 20, 2000 9:54 AM
To: Lim, Ying
Cc: Chen, Hua
Subject: RE: Pulse

that is correct

-----Original Message-----

From: Lim, Ying
Sent: Friday, October 20, 2000 9:51 AM
To: Chen, Hua
Cc: Aery, Raj; Peek, Brad; Hernandez, Joe; Jiang, Xingling
Subject: RE: Pulse

So, let me re-confirm this: We are still using IBMJava13 to compile Pulse Server and SunJava122 to compile the applet. Right?

Ying

-----Original Message-----

From: Chen, Hua
Sent: Friday, October 20, 2000 9:49 AM
To: Lim, Ying
Cc: Aery, Raj; Peek, Brad; Hernandez, Joe; Jiang, Xingling
Subject: RE: Pulse

Ying,

- (1) We decided to using Sun Java 1.2.2 to compile the applet. Let me know if you need assistant on that.
- (2) The Pulse source code in SourceSafe is the final for the production roll-out. You can get it any time at your convenience.

Also, we have test servers in lab on 5th floor, which you can test to test your final build.

Thanks for the help,

Hua

-----Original Message-----

From: Lim, Ying
Sent: Friday, October 20, 2000 8:56 AM
To: Aery, Raj; Chen, Hua; Peek, Brad
Cc: QA Clear Case
Subject: Pulse

Just want to let you know that I was able to re-create both PulseServer.jar and Pulse.jar yesterday using IBMJava v1.3 with Raj's assistance. Since Raj mentioned that our build would fail if we did compile the applet with Java1.1.8. So, please let us know when

- (1) we can re-try to compile the applet using Java1.1.8;
- (2) we can re-get the latest and "final" of the entire Pulse source code for assurance purpose--ie to ClearCased the source and to create an assurance jar for production roll-out.

Thank you.

Ying Lim
x8045

From: Peek, Brad
Sent: Tuesday, October 24, 2000 8:59 AM
To: Chen, Hua
Subject: RE: Pulse: unusual request....

see below

-----Original Message-----

From: Chen, Hua
Sent: Tuesday, October 24, 2000 8:57 AM
To: Aery, Raj; Peek, Brad
Cc: Hernandez, Joe
Subject: RE: Pulse: unusual request....

Raj and Brad,

I have some suggestions. Let me know what you think.

- (1) I agree with Raj we should use multiple login's. But in order to reduce confusion to the users, we should randomly select login's in asp code for the test page. **[Peek, Brad]** very good idea!
(2) Brad, Is it possible have a test applet jar file with save setting button disabled rather than go through DBA's. I agree with Dennis. I don't have confidence in his group making changes. **[Peek, Brad]** I don't think that's exactly what Dennis meant ;-)

Let me know,

Hua

-----Original Message-----

From: Aery, Raj
Sent: Tuesday, October 24, 2000 8:48 AM
To: Peek, Brad
Cc: Hernandez, Joe; Chen, Hua
Subject: RE: Pulse: unusual request....

Brad,

In order to test the Pulse Server, database, Pulse Applet and the Monitor server so that we are simulating more of a real production environment, we should use multiple IDs. This does not mean everyone should have a unique ID, it just means that we should multiple ids (maybe 30 or so) and many people could share one id.

What do you think?

Raj

-----Original Message-----

From: Peek, Brad
Sent: Tuesday, October 24, 2000 7:42 AM
To: Paradiso, Dennis
Cc: Hernandez, Joe; Aery, Raj; Chen, Hua
Subject: Pulse: unusual request....

Dennis,

I don't know if this is feasible, but thought I'd check it out with you.

Bobbie wants to first roll Pulse out to the Systems staff internally for a day or two. This allows us to determine some base utilization numbers for the PDS, Pulse servers and MktUnix1. To support this type of roll-out, the staff will all use the same Pulse login. If anyone decides to be clever and save new defaults, those defaults will then be passed on to all the staff, making it somewhat of a confusing experience.

The defaults are saved by a trigger on MktUnix1. How feasible would it be to have the trigger just return true and not perform the actual update for this first day or two.

Thanks,

Brad

J. Brad Peek

office: 312.786.7237
pager: 312.839.1232
email: peekb@cboe.com

From: Paradiso, Dennis
Sent: Wednesday, October 25, 2000 4:48 PM
To: Hernandez, Joe; Peek, Brad
Cc: Huang, Jimmy
Subject: FW: PULSE

Joe, Brad:

Please see the message below. Jimmy seems to be getting information indicating that there will be a significant amount of activity and a huge amount of data added to the PULSE tables. Is this true? Have the requirements changed? My understanding was that PULSE was authorization and configuration information for each client. Please tell me as soon as possible if this is incorrect and if access volume and data volume estimates have changed.

Dennis

-----Original Message-----

From: Huang, Jimmy
Sent: Wednesday, October 25, 2000 9:10 AM
To: Paradiso, Dennis
Subject: RE: PULSE

Some developer said there will be lot more application loading on PWEB. They will load all assigned user information to PWEB, this could be huge data. If they change a lot, it could be infect PULSE application. Pulse application is very sensitive, any table has problem, and user could not login. This is the reason I am thinking about to separate Pulse and Pweb database.

-Jimmy

-----Original Message-----

From: Paradiso, Dennis
Sent: Tuesday, October 24, 2000 8:53 AM
To: Huang, Jimmy
Subject: RE: PULSE

Jimmy:

What are the facts?

What new information do you have about expanding the use of PWEB?

Dennis

-----Original Message-----

From: Huang, Jimmy
Sent: Monday, October 23, 2000 1:42 PM
To: Paradiso, Dennis
Subject: PULSE

Dennis,

I suggest we install pulse database in an independent database.

I think PWEB will increase it size so fast, and there will have more application load in database. If anything is wrong, it will infect pulse application, which a trading system database application(24X7).

If we can separate PULSE with PWEB, it should be much easy for use to maintenance database.

Thanks

-Jimmy

From: Peek, Brad
Sent: Thursday, October 26, 2000 8:32 AM
To: Rittner, John
Subject: RE: New Pulse "Post" Network

Thanks John.

-----Original Message-----

From: Rittner, John
Sent: Thursday, October 26, 2000 8:26 AM
To: Piwnicki, Bobbie; Peterson, Bob; Etheridge, Tom; Peek, Brad
Cc: Roy, Gautam; Strega, John; Schumacher, Curt
Subject: New Pulse "Post" Network

The new Pulse "Post" network, AKA DMZ4, was connect to the posta router last night. The postb connection will be done tonight but you can reach pds32a and pds32b now.

Even though we have found a viable workaround, I feel that we still need to investigate what would be involved in eliminating directed broadcasts. This legacy feature is not supported in newer generations of networking equipment.

John

From: Aery, Raj
Sent: Monday, October 30, 2000 10:47 AM
To: Lim, Ying
Cc: Elliott, Sandy; Jiang, Xingling; Hernandez, Joe; Chen, Hua; Peek, Brad
Subject: Final java files for applet

Ying,

I have put the scrambled version of the applet in SS under Pulse\Applet\Final. These are the source files that we should be using for production. The packages are the same as the non-scrambled version, which are under Pulse\AppletSrc. There should be no changes necessary for the make file.

Let me know if you have any questions.

Thanks,
Raj.

From: Blaho, Steve
Sent: Tuesday, October 31, 2000 1:11 PM
To: Peek, Brad
Subject: RE: Pulse training

I met with Raj, yesterday and we have set up training dates for Wednesday, 11/01/00 for 10 to 10:30 for group 1 and from 10:30 to 11 for group 2. Additionally dates were set up for a 7:15 training session for Thursday 11/02/00 for the midnight crew and for 14:15 for the afternoon shift. All training, as I understand will take place in the training lab. It seems that the only remaining item is to get an electronic copy of your material. I am correctly working with Raj on that issue. Questions ????? Please call.

Stephen J. Blaho Jr.
blaho@cboe.com
(312) 786-7568

—Original Message—

From: Peek, Brad
Sent: Tuesday, October 31, 2000 8:13 AM
To: Blaho, Steve
Subject: Pulse training

Steve,

How is the Pulse training issue going?

Brad

J. Brad Peek

office: 312.786.7237
pager: 312.839.1232
email: peekb@cboe.com

From: Peek, Brad
Sent: Tuesday, October 31, 2000 3:02 PM
To: Aery, Raj; Chen, Hua
Subject: updated Pulse site

Minor changes to the applet site have been made, checked in and moved to PulseMon. Files are :

pulse.asp
includes/defaultdoc.htm

J. Brad Peek

office: 312.786.7237
pager: 312.839.1232
email: peekb@cboe.com